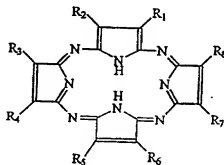


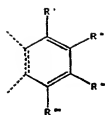
What is claimed is:

- 1           1. A selectively light-absorptive material for a color display,
- 2           comprising a tetrazaporphyrine derivative having formula (1)

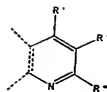


... (1)

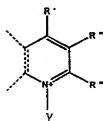
- 3           where  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ ,  $R_5$ ,  $R_6$ ,  $R_7$  and  $R_8$  are independently selected from the
- 4           group consisting of hydrogen; an unsubstituted phenyl group, an alkyl group
- 5           of 1 to 8 carbon atoms; an alkoxy group of 1 to 8 carbon atoms; a nitro group;
- 6           halogen atoms; a halide; a cyano group; an alkylamino group of 1 to 8 carbon
- 7           atoms; an aminoalkyl group of 1 to 8 carbon atoms; and a phenyl group having
- 8           a substituent selected from an alkyl group of 1 to 8 carbon atoms, an alkoxy
- 9           group of 1 to 8 carbon atoms, a nitro group, halogen atoms, a halide, an
- 10          alkylamino group of 1 to 8 carbon atoms, an aminoalkyl group of 1 to 8 carbon
- 11          atoms and a cyano group, or two neighboring substituents among  $R_1$ ,  $R_2$ ,  $R_3$ ,
- 12           $R_4$ ,  $R_5$ ,  $R_6$ ,  $R_7$  and  $R_8$  are fused and substituted with 1 to 3 aromatic cyclic
- 13          compounds having formula (2a) through (2g), and unsubstituted groups
- 14          among  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ ,  $R_5$ ,  $R_6$ ,  $R_7$  and  $R_8$  are independently selected from the
- 15          group consisting of hydrogen, an alkyl group of 1 to 8 carbon atoms, an alkoxy
- 16          group of 1 to 8 carbon atoms, an allyl group, halogen atoms, a halide, a cyano
- 17          group and a nitro group



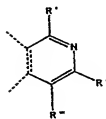
(2a)



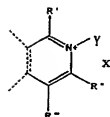
(2b)



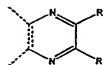
(2c)



(2d)



(2e)

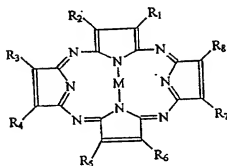


(2f)

where R', R'', R''' and R'''' are independently selected from the group consisting of hydrogen, an alkyl group of 1 to 8 carbon atoms, an alkoxy group of 1 to 8 carbon atoms, an allyl group, a cyano group and a nitro group; X is halogen atoms or alkyl sulfonate of 1 to 8 carbon atoms; Y is an alkyl or allyl group of 1 to 8 carbon atoms; and dashed lines indicate a portion coupled with the pyrrole group of formula (1).

2. A selectively-light absorptive material for a color display,

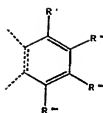
- 2 comprising tetrazaporphyrine derivative having formula (3)



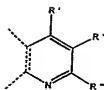
...(3)

3 where  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ ,  $R_5$ ,  $R_6$ ,  $R_7$  and  $R_8$  are independently selected from the  
 4 group consisting of hydrogen; an unsubstituted phenyl group, an alkyl group  
 5 of 1 to 8 carbon atoms; an alkoxy group of 1 to 8 carbon atoms; a nitro group;  
 6 halogen atoms; a halide; a cyano group; an alkylamino group of 1 to 8 carbon  
 7 atoms; an aminoalkyl group of 1 to 8 carbon atoms; and a phenyl group having  
 8 a substitute group selected from an alkyl group of 1 to 8 carbon atoms, an  
 9 alkoxy group of 1 to 8 carbon atoms, a nitro group, halogen atoms, a halide,  
 10 an alkylamino group of 1 to 8 carbon atoms, an aminoalkyl group of 1 to 8  
 11 carbon atoms and cyano groups, or two neighboring substituents among  $R_1$ ,  
 12  $R_2$ ,  $R_3$ ,  $R_4$ ,  $R_5$ ,  $R_6$ ,  $R_7$  and  $R_8$  are fused and substituted with 1 to 3 aromatic  
 13 cyclic compounds having formula (2a) through (2g), and unsubstituted groups  
 14 among  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ ,  $R_5$ ,  $R_6$ ,  $R_7$  and  $R_8$  are independently selected from the  
 15 group consisting of hydrogen, an alkyl group of 1 to 8 carbon atoms, an alkoxy  
 16 group of 1 to 8 carbon atoms, an allyl group, halogen atoms, a halide, a cyano  
 17 group and a nitro group;

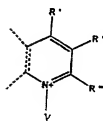
18 M is metal ions with an oxidation number of 2 capable of being  
 19 complexed with the tetrazaporphyrine ring, or metal ions having ligands with  
 20 an oxidation number of 2 capable of being complexed with the  
 21 tetrazaporphyrine rings



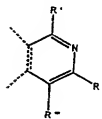
(2a)



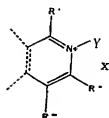
(2b)



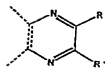
(2c)



(2d)



(2e)



(2f)

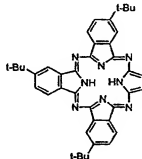
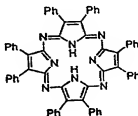
where R', R'', R''' and R'''' are independently selected from the group consisting of hydrogen, an alkyl group of 1 to 8 carbon atoms, an alkoxy group of 1 to 8 carbon atoms, an allyl group, a cyano group and a nitro group; X is halogen atoms or alkyl sulfonate of 1 to 8 carbon atoms; Y is an alkyl or allyl group of 1 to 8 carbon atoms; and dashed lines indicates a portion coupled with the pyrrole group of formula (3).

3. The selectively light-absorptive material of claim 1 or 2, wherein two neighboring substituents among R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub> and R<sub>8</sub> are fused with each other to form 2 to 3 cyclic compounds having formula (2a) of claim

- 2, and in the cyclic compound having formula (2a), at least one of R', R'', R''' and R'''' is an alkyl group of 2 to 6 carbon atoms or an alkoxy group of 2 to 6 carbon atoms.

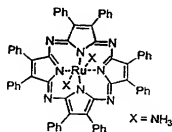
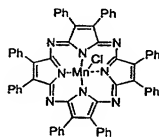
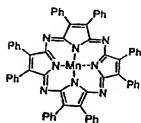
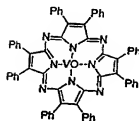
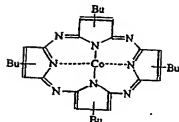
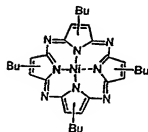
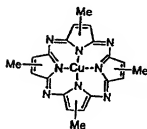
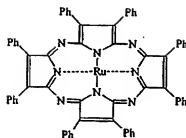
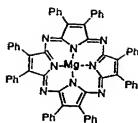
4. The selectively light-absorptive material of claim 1 or 2, wherein R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub>, R<sub>7</sub> and R<sub>8</sub> are independently selected from an unsubstituted phenyl group, or a substituted phenyl group having 1 to 5 substituents selected from the group consisting of an alkyl group of 1 to 8 carbon atoms, an alkoxy group of 1 to 8 carbon atoms, a nitro group, halogen atoms, an alkylamine group of 1 to 8 carbon atoms, an aminoalkyl group of 1 to 8 carbon atoms, and a cyano group.

5. The selectively-light absorptive material of claim 1, wherein the tetrazaporphyrine derivative having formula (1) is selected from the following compounds.



6. The selectively-light absorptive material of claim 2, wherein M is nickel (Ni), magnesium (Mg), manganese (Mn), cobalt (Co), copper (Cu), ruthenium (Ru) or vanadium (V), or Mn or Ru coordinated with at least one ligand selected from ammonia, water and halogen atoms.

7. The selectively-light absorptive material of claim 2, wherein the tetrazaporphyrine derivative having formula (3) is selected from the following compounds



1           8.     A selectively light-absorptive coating composition comprising at  
2     least one of the selectively light-absorptive materials of claims 1 through 7, a  
3     plastic resin and an organic solvent.

1           9.     The selectively light-absorptive coating composition of claim 8,  
2     wherein the plastic resin is at least one selected from the group consisting of  
3     poly(methylmethacrylate), polyvinyl alcohol, polycarbonate, ethylene  
4     vinylacetate and polyvinylbutyral.

1           10.    The selectively light-absorptive coating composition of claim 8,  
2     wherein the organic solvent is at least one selected from the group consisting  
3     of toluene, xylene, propylalcohol, isopropylalcohol, methylcellosolve,  
4     ethylcellosolve and dimethylformamide.

1           11.    The selectively light-absorptive coating composition of claim 8,  
2     further comprising an infrared ray blocking agent.

1           12.    The selectively light-absorptive coating composition of claim 8,  
2     further comprising a dye.

1           13.    A selectively light-absorptive filter for a color display, comprising  
2     at least one of the selectively light-absorptive materials of claim 1 through 7,  
3     and a plastic resin.

1           14.    The selectively light-absorptive filter of claim 14, wherein the  
2     plastic resin is at least one selected from the group consisting of  
3     poly(methylmethacrylate), polyvinyl alcohol, polycarbonate, ethylene  
4     vinylacetate and polyvinylbutyral.